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CLAIMS

1. A mobile communication system comprising:

detecting means for detecting at least one of a change
in an environment in which an object to be inspected exists
5 and a change in a capability of said object to be inspected;

reporting means for notifying one or more apparatuses
relating to said change detected by said detecting means
of at least a result of said detection;

setting means for newly setting at least one of a network
10 resource and an information format in conformity to said
change detected by said detecting means; and

switching means for switching said network resource
and information format into a content set by said setting
means.

15 2. A mobile communication system according to claim
1, wherein said object to be inspected includes at least
one of a communication terminal, transmission means for a
radio area, and transmission means within a network.

3. A mobile communication system according to claim
20 1, wherein said network resource includes at least one of
a wireless communication channel, a transmitter/receiver,
a line within a network, a communication node apparatus,
a communication terminal, an information switching apparatus,
and an information converting apparatus.

25 4. A mobile communication system according to claim
1, wherein said switching means includes information

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converting apparatus which carries out, as said switching of information format, at least one of changing of media for information transferred over a network and changing of a transmission quality between the same media.

5 5. A mobile communication system comprising:

a network, having a resource, for transferring information to be transmitted/received by a mobile terminal;

a network control section for controlling said network;

and

10 an information converting apparatus, as information format switching means with respect to information transferred over said network, for carrying out at least one of changing of media for information transferred over said network and changing of a transmission quality between
15 the same media in accordance with an instruction from said network control section.

6. A mobile communication system according to claim 5, wherein said information converting apparatus comprises:

20 a network interface section for transmitting/receiving information to/from a resource constituting said network;

an information converting section for converting a format of information captured through said network interface section into another format, and sending out thus converted
25 information to said resource constituting said network by way of said network interface section; and

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a control section for controlling said information converting section in accordance with an instruction from said network control section captured through said network interface section.

5 7. A resource switching method for a mobile communication system, said method comprising:

a detecting step of detecting at least one of a change in an environment in which an object to be inspected exists and a change in a capability of said object to be inspected;

10 a reporting step of notifying one or more apparatuses relating to said change detected by said detecting step of at least a result of said detection; and

a setting step of newly setting at least one of a network resource and an information format in conformity to said
15 change detected by said detecting step; and

a switching step of switching said network resource and said information format into a content set by said setting step.

20 8. A resource switching method for a mobile communication system according to claim 7, wherein said object to be inspected includes at least one of a communication terminal, transmission means for a radio area, and transmission means within a network.

25 9. A resource switching method for a mobile communication system according to claim 7, wherein said network resource includes at least one of a wireless

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communication channel, a transmitter/receiver, a line within a network, a communication node apparatus, a communication terminal, an information switching apparatus, and an information converting apparatus.

5 10. A resource switching method for a mobile communication system according to claim 7, wherein said switching step includes a step of carrying out, as switching of said information format, at least one of changing of media for information transferred over a network and changing of
10 a transmission quality in the same media.

 11. A network control method comprising the steps of:
 receiving a detection report of at least one of a change in an environment in which an object to be inspected exists and a change in a capability of said object to be inspected
15 from said object to be inspected;

 determining at least one of a network resource and an information format suitable for said change specified by said detection report received from said object to be inspected; and
20 controlling said object to be inspected concerning at least one of said determined network resource and information format so that said object conforms to said detected change.

 12. A network control method according to claim 11, wherein said object to be inspected includes at least one
25 of a communication terminal, transmission means for a radio area, and transmission means within a network.

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13. A network control method according to claim 11,
wherein said network resource includes at least one of a
wireless communication channel, a transmitter/receiver, a
line within a network, a communication node apparatus, a
5 communication terminal, an information switching apparatus,
and an information converting apparatus.

14. A network control apparatus comprising:

receiving means for receiving a detection report of
at least one of a change in an environment in which an object
10 to be inspected exists and a change in a capability of said
object to be inspected from said object to be inspected;

determining means for determining at least one of a
network resource and an information format suitable for said
change specified by said detection report received from said
15 object to be inspected; and

control means for controlling said object to be
inspected concerning at least one of said determined network
resource and information format so that said object conforms
to said detected change.

20 15. A network control apparatus according to claim
14, wherein said object to be inspected includes at least
one of a communication terminal, transmission means for a
radio area, and transmission means within a network.

16. A network control apparatus according to claim
25 14, wherein said network resource includes at least one of
a wireless communication channel, a transmitter/receiver,

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a line within a network, a communication node apparatus,
a communication terminal, an information switching apparatus,
and an information converting apparatus.

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